# Student Enrollment Analysis and Projections for Albemarle County Schools

Prepared for Albemarle County Public Schools December 14, 2016



Weldon Cooper Center for Public Service www.coopercenter.org/demographics Charlottesville, Virginia

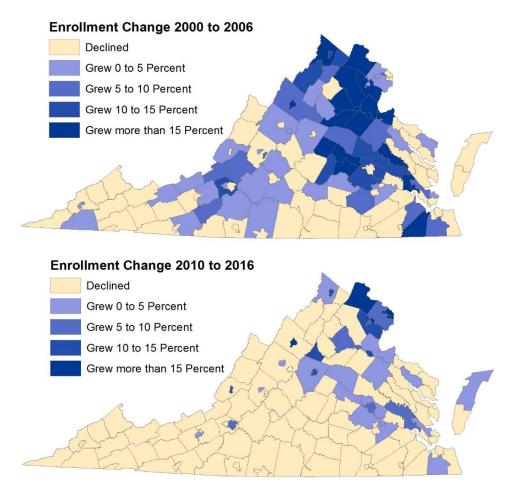
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#### I. Student Enrollment Trends

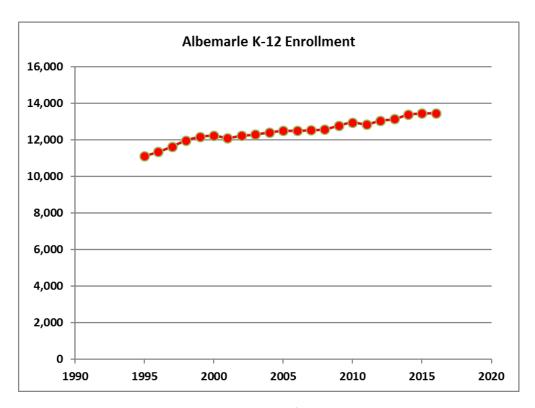
Enrollment in Albemarle County Public Schools has gradually continued to increase while student enrollment in most neighboring school divisions is declining. However, unless the number of families moving into the county surges, Albemarle's enrollment is likely to stop growing by the end of the decade.

Statewide, public school enrollment is growing more slowly this decade than last. While enrollment grew by 5.4 percent between 2000 and 2006, it has grown by only 3.2 percent so far this decade. This trend is also reflected in Virginia's school divisions. Student enrollment increased in most divisions between 2000 and 2006, but since 2010, enrollment has declined in 94 of Virginia's 133 counties and cities.



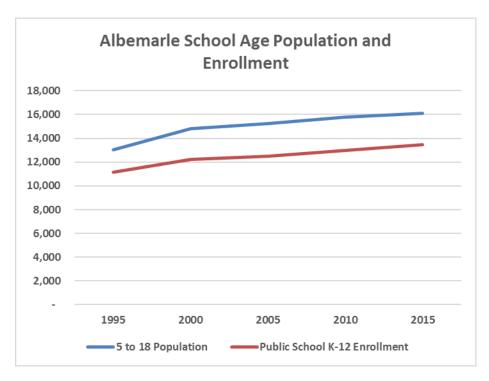
Source: Virginia Department of Education, Fall Count.

The change in enrollment trends from the last decade to this one is most noticeable in many of Virginia's smaller metropolitan areas, such as Blacksburg, Lynchburg, Roanoke and Staunton, where student enrollment grew between 2000 and 2006, but has been declining so far this decade. Exceptions to this trend are Albemarle County and the Charlottesville Metropolitan Area, where student enrollment has continued to grow this decade.



Source: Virginia Department of Education, Fall Count

Like most school divisions in Virginia, growth in Albemarle's public school enrollment has closely followed growth in the division's school-age population.

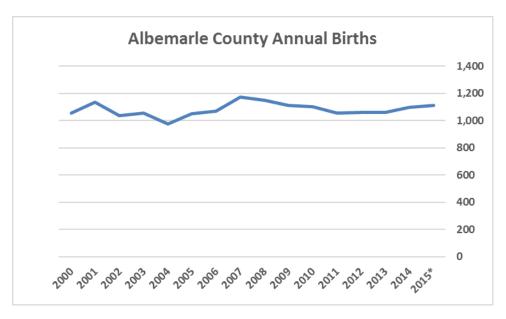


Source: Virginia Department of Education, Fall Count. Census Bureau County Age Estimates

See the Appendix B for annual birth counts by elementary school attendance zones.

Albemarle's school-age population has grown since the recession, in large part, due to the region's relatively healthy economy. Unlike most other small metro areas in Virginia, Albemarle did not experience as large a decline in births during the recession and the region continued to attract families.

However, as the chart below shows, the annual number of births in Albemarle County is not much higher than it was a decade ago. This means that incoming kindergarten classes will likely remain smaller in Albemarle for the rest of the decade, and in fact, Albemarle has already seen a decline in kindergarten enrollment in the past two years. As these smaller student cohorts advance through the lower grades, replacing larger classes, Albemarle's enrollment growth will likely slow.



Source: Virginia Department of Health \*2015 Birth Counts are preliminary.

After 2020, Albemarle will likely experience more growth in enrollment, in part, because the number of births in the division and across Virginia should begin to rise. Currently, the national birth rate is at a record low, so a small rebound in births is likely over the next few years. Even if birth rates remain low, the number of births should increase as the number of women between 15 and 44 is projected to grow by 5 percent in Virginia and 8 percent in Albemarle County (according to the University of Virginia Weldon Cooper Center) by 2020. Additionally, by 2020, the majority of the large millennial cohort will be within most common age range to have children (25 to 35), further boosting the number of births.

#### II HOUSING IN ALBEMARLE COUNTY

As a result of population changes in Albemarle County over the last decade, the number of students per dwelling unit has declined. In addition, more families are living in townhomes and mobile homes rather than detached single-family homes, which are typically more expensive.

Though Albemarle's school-age population has increased more slowly in recent years, the rest of Albemarle's population has continued to grow at a rate much faster than Virginia as a whole. Over the last ten years, Albemarle's school-age population grew by 5 percent while the county's adult population grew by 20 percent.

As a result, Albemarle's housing stock has also expanded at a faster rate than Albemarle's school-age population, which has further resulted in a decline in the number of students per dwelling unit.

The number of students living in detached single-family homes, which make up three/fifths of Albemarle's housing stock, has decreased. The student generation rate (the number of public school students living in detached single-family homes divided by the total number of detached single-family homes in Albemarle) declined from .4 per home in 2006 to .35 in 2016. However, the number of students per dwelling unit has increased slightly for attached single-family homes and multi-family units and significantly for townhomes and mobile homes.

#### The Number of Albemarle County Public School Students Generated by Housing Type

#### 2006

| Type of Dwelling Unit  | Elementary | Middle | High | Total |
|------------------------|------------|--------|------|-------|
| Single Family Detached | 0.16       | 0.11   | 0.13 | 0.40  |
| Single Family Attached | 0.12       | 0.07   | 0.06 | 0.25  |
| Town Home              | 0.13       | 0.04   | 0.03 | 0.20  |
| Multi-Family           | 0.12       | 0.04   | 0.03 | 0.19  |
| Mobile Home            | 0.20       | 0.09   | 0.10 | 0.39  |

#### 2016

| Type of Dwelling Unit    | Elementary | Middle | High | Total |
|--------------------------|------------|--------|------|-------|
| Single Family (Detached) | 0.15       | 0.08   | 0.12 | 0.35  |
| Single Family (Attached) | 0.13       | 0.05   | 0.08 | 0.26  |
| Town Home                | 0.15       | 0.06   | 0.08 | 0.29  |
| Multi-Family             | 0.12       | 0.03   | 0.05 | 0.21  |
| Mobile Home              | 0.26       | 0.10   | 0.11 | 0.46  |

Source: The 2006 Student Generation Rates were provided by Albemarle County. The 2016 Student Generation Rates were calculated using Albemarle County's Student Residence Addresses and Albemarle County's Real Estate Records.

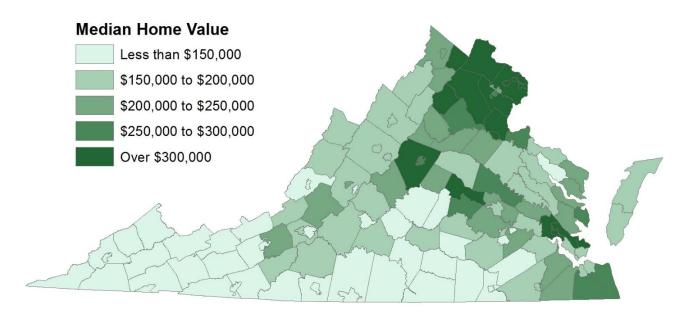
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2016 student generation rates by housing type for elementary attendance zones and planning areas are available in the Appendix D and E.

Demographic trends, in part, explain why student generation rates have changed across Albemarle's housing types, but economic trends have also had a large impact on student generation rates in Albemarle. Similar to birth rates, the national homeownership rate has declined to a 50-year low due to the continued impacts of the recession. More families are choosing to rent rather than to buy homes, which has led to an increase in the number of public school students living in townhouses and multi-family units, which typically offer more rental opportunities than detached or attached single-family homes. In addition, there has been a significant rise in the number of public school students living in mobile homes - which make up the smallest share of Albemarle's housing unit types – because, in part, they are often the most affordable housing available for families. In

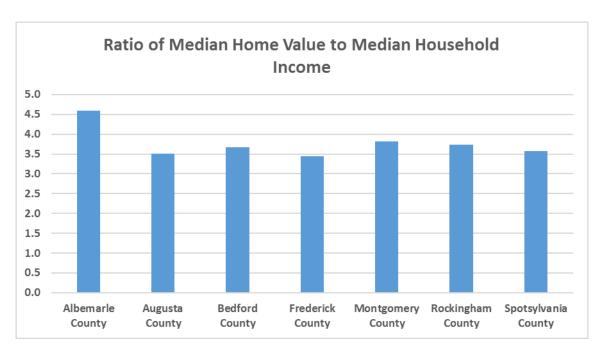
contrast, since 2007, there has been a decline in the number of public school students living in Albemarle's four rural areas, where the housing stock is predominantly owner-occupied, older single-family units.

The type of home a family can afford has a major impact on student enrollment in divisions throughout Virginia. The most recent recession only intensified this trend. In many of Virginia's cities, which typically have a more affordable mix of housing to buy or rent, student enrollment has grown faster than in neighboring counties since the recession. In Charlottesville, student enrollment declined before the recession, but since 2010, Charlottesville's enrollment has grown faster than in Albemarle County. Alexandria, Richmond and Roanoke have all experienced similar enrollment trends, which can be seen in the first two maps of this report.



Source: Median Value of Owner-occupied housing units, Census Bureau 2015 American Community Survey

Housing affordability is even more of a challenge for families in Albemarle County than in most of Virginia. Albemarle County is the only locality outside Virginia's Urban Crescent where the median home value is above \$300,000. While the typical household in Albemarle also earns more than households in neighboring counties, Albemarle's median household income is lower than other counties with a median home value above \$300,000. As a result, in 2015, Arlington and Fairfax were the only Virginia counties that had a higher ratio (6.1 and 4.8, respectively) of home values to household incomes than Albemarle County.



Source: Census Bureau 2015 American Community Survey

Though the recession caused more families to move into Charlottesville and the parts of Albemarle County with a large mix of rental homes, IRS migration data shows that before the recession, families often moved to neighboring counties to buy affordable homes. Between 2000 and 2006, for example, growth in student enrollment in Fluvanna, Louisa, Orange and Greene outpaced enrollment growth in Albemarle. Since the recession, a large number of workers still commute into the county from other parts of the metro area and neighboring counties. The most current commuting data available from 2013 shows that Albemarle and Charlottesville attract a larger share of their workers from nearby counties (28 percent) than core localities do in similar-sized metro areas in Virginia, such as Blacksburg (20 percent), Harrisonburg (16 percent) and Lynchburg (15 percent).

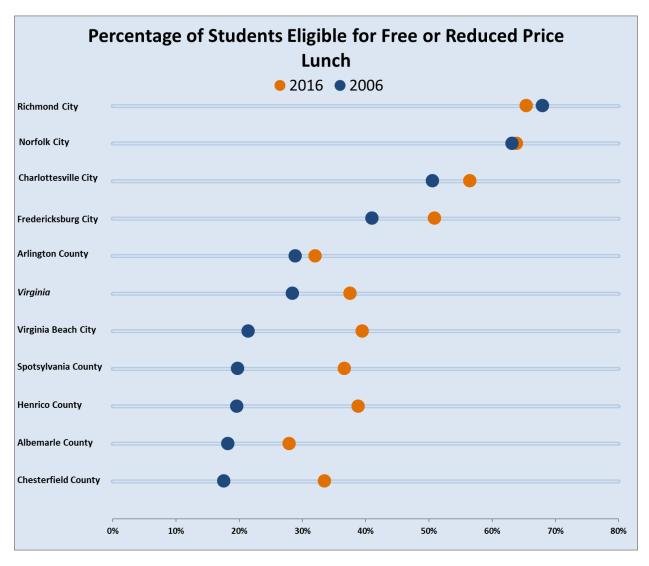
Understanding the demographic and housing dynamics in Albemarle and the rest of metro area is necessary to accurately use student generation rates by housing type to predict future enrollment changes. If more affordable single-family housing is built in Albemarle County, the student generation rate could rise, as more families who would have otherwise moved to neighboring counties buy homes in Albemarle County instead. Similarly, the majority of the projected growth in the U.S. and Virginia's population over the next decade is expected to be among the population older than 65. With an aging population, Albemarle' student generation rate per housing unit should overall be expected to continue to gradually decline.

#### III. STUDENT POVERTY IN ALBEMARLE COUNTY

Albemarle County, like most of Virginia's predominantly suburban counties, is experiencing the highest levels of student poverty in decades. The relative depreciation of home values in many aging subdivisions has caused student poverty rates to grow rapidly in some of Albemarle County's inner suburbs. Though Virginia's student poverty rate *should* continue to decline as the economy recovers, Albemarle County's *may not* decline due to its aging suburbs.

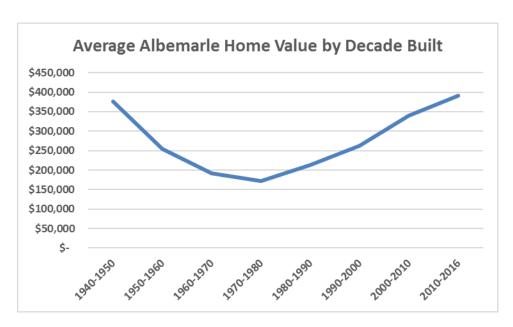
Albemarle County's housing stock also has a large impact on the share of its students that are eligible for free or reduced-price lunch. Many families with incomes that qualify their children for free or reduced-price lunch also find themselves living in areas where affordable housing is available. In 1970, when Albemarle County was still primarily a rural county with a large share of older and less expensive housing, the poverty rate for families with children was 13 percent compared to 9 percent in Charlottesville. After Charlottesville stopped annexing new subdivisions in the county, Albemarle's population grew rapidly during the 1970s and 1980s. Many families who could afford to buy new and more expensive homes moved into the county's suburbs, and as a result, Albemarle's population grew by 80 percent during those two decades. By 1990, the poverty rate for families with children in Albemarle County had fallen to below 5 percent, while in Charlottesville it grew to 10 percent.

Since the mid-2000s, the percentage of Albemarle students eligible for free or reduced-price lunch has steadily risen, from 18 percent in 2006 to 28 percent in 2016. However, in many parts of the county that experienced rapid growth in the 1970s and 1980s, such as in the attendance zones for Agnor Hurt, Greer and Woodbrook Elementary Schools, the percentage of students eligible for free or reduced-price lunch has grown much more quickly than in the rest of the county. Across Virginia, many other suburban school divisions that grew rapidly in the post-World War II period have also experienced a steady rise in the percentage of students eligible for free or reduced-price lunches, despite the fact that the statewide percentage has been declining as the economy continues to recover. In suburban Chesterfield and Henrico Counties, for example, the percentage of students eligible for free or reduced-price lunches has risen by 16 and 19 percentage points respectively.



Source: Virginia Department of Education, Fall Count.

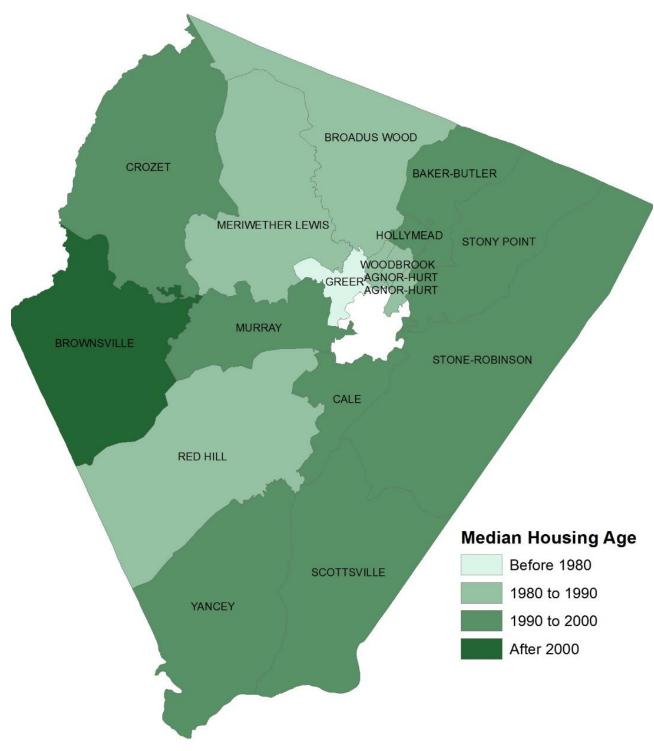
The rapid growth of many suburban neighborhoods in Albemarle and much of Virginia in the decades after World War II means that today the housing stock of many suburban neighborhoods is very homogenous, with most homes the same age and size. Because homes typically lose value as they age, many suburbs dominated by housing built in the same period are at risk of neighborhood-wide depreciation in relative home values. As a result, many aging suburban neighborhoods in Virginia have experienced rapid changes, particularly in their residents' socioeconomic status, during the past few decades.



Source: Albemarle Real Estate Records, Improvements value for non-multifamily homes with a specified construction year.

In Albemarle County, like most of Virginia, the current stock of homes that have the lowest value are those built between 1970 and 1980. The average home built during the 1960s in Albemarle County is worth nearly \$20,000 more than one built during the 1970s, likely, in part, because more have been renovated. Albemarle homes built during the 1940s and 1950s are worth even more, likely for the same reason. Though homes built in Albemarle during the 1980s are on average worth \$40,000 more than homes built during the 1970s, they are also worth \$40,000 less than homes built during the 1990s.

Albemarle County Elementary School Attendance Zones' Housing Age



Source: Albemarle County Public Schools, Albemarle County Real Estate Records

As the table below shows, most elementary schools with the highest percentage of students eligible for free or reduced-price lunch also typically have older and less expensive homes in their attendance zones than the rest of the county. While age has a significant influence on housing prices, the size of the home also affects its price. Homes in the attendance zones for Yancey and Cale are generally newer than in most of the county, but they are also much smaller and, as a result, less valuable than in most of the county. Similarly, homes in Meriwether Lewis and Braudus Wood's attendance zones are older than the county overall, but their homes are typically more valuable, in part, because they are larger than most homes in the county.

#### **Albemarle County Elementary Attendance Zones Housing Comparison**

| Elementary Schools            | Percent Free or        | Median Home   | Median Year | Median      |
|-------------------------------|------------------------|---------------|-------------|-------------|
|                               | Reduced Lunch Eligible | Value         | Built       | Square Feet |
| Meriwether Lewis              | 8%                     | \$<br>467,400 | 1986        | 2,352       |
| Murray                        | 10%                    | \$<br>648,200 | 1990        | 2,648       |
| Hollymead                     | 10%                    | \$<br>295,800 | 1997        | 1,888       |
| Brownsville                   | 11%                    | \$<br>342,000 | 2002        | 2,055       |
| Broadus Wood                  | 18%                    | \$<br>325,200 | 1986        | 2,044       |
| Stony Point                   | 24%                    | \$<br>342,500 | 1994        | 2,016       |
| Baker-Butler                  | 24%                    | \$<br>250,100 | 1991        | 1,600       |
| Crozet                        | 25%                    | \$<br>216,100 | 1990        | 1,520       |
| Stone-Robinson                | 30%                    | \$<br>267,500 | 1995        | 1,710       |
| Albemarle County K-5 Students | 34%                    | \$<br>271,150 | 1990        | 1,688       |
| Scottsville                   | 43%                    | \$<br>191,300 | 1990        | 1,472       |
| Cale                          | 44%                    | \$<br>250,900 | 1996        | 1,551       |
| Red Hill                      | 48%                    | \$<br>231,450 | 1983        | 1,560       |
| Woodbrook                     | 53%                    | \$<br>307,200 | 1983        | 2,002       |
| Agnor-Hurt                    | 54%                    | \$<br>210,350 | 1988        | 1,428       |
| Yancey                        | 72%                    | \$<br>127,100 | 1995        | 1,248       |
| Greer                         | 75%                    | \$<br>170,100 | 1979        | 1,230       |

Source: Albemarle Real Estate Records, Improvements value for non-multifamily homes with a specified construction year.

Due to Albemarle's past growth patterns, certain neighborhoods have a disproportionate share of housing built during the 1970s and 1980s. As these homes age and, in many cases, their relative value declines, these neighborhoods will also have a disproportionate share of the county's affordable housing. As a result, their elementary schools may also see rapid growth in the number of students eligible for free or reduced-price lunch. While there is little the school division can do to alter these trends, understanding the influence that housing has on students' socioeconomic status is valuable for planning or future redistricting.

#### **Projecting Economically Disadvantaged Student Enrollment**

There are few cases where a methodology has been developed for accurately projecting the number of students eligible for free or reduced-price lunch, largely because the projection not only needs to account for overall student enrollment trends, but also regional and national economic trends. Additionally, policy changes can affect the number of students who are eligible for or apply for free or reduced-price meals. On the school level, a projection would also need to account for local factors, including housing trends.

Despite these challenges, the grade-progression ratio projection model can account for a number of trends. In addition, the number of students eligible for free or reduced-price lunch usually follows a consistent pattern with the number declining as the students age, in part, due to an increase in their parents' income as they advance in their careers.

Provided the student enrollment is large enough to keep progression rates between grades from being too variable, the grade-progression ratio projection model works reasonably well for projecting the number of economically disadvantaged students enrolled in Albemarle County Public Schools. When tested on the division level, the grade-progression ratio model projected the total number of economically disadvantaged students in Albemarle within 4 percent of the actual enrollment between 2014 and 2016. For elementary, middle and high school students, the model projected economically disadvantaged student enrollment within 6 percent of the actual enrollment total. The model may work for projecting on the school level as well, but it would be necessary to have access to a complete count by grade which is often suppressed by VDOE to protect student privacy.

|           | K-2   | 3-5   | 6-8 | 9-12  | Total |
|-----------|-------|-------|-----|-------|-------|
| 2016-2017 | 1,026 | 954   | 776 | 1,010 | 3,766 |
| 2017-2018 | 991   | 998   | 787 | 1,001 | 3,778 |
| 2018-2019 | 991   | 957   | 839 | 987   | 3,776 |
| 2019-2020 | 999   | 930   | 876 | 960   | 3,765 |
| 2020-2021 | 1,021 | 907   | 912 | 939   | 3,779 |
| 2021-2022 | 1,059 | 905   | 875 | 992   | 3,830 |
| 2022-2023 | 1,095 | 911   | 851 | 1,026 | 3,883 |
| 2023-2024 | 1,131 | 933   | 830 | 1,055 | 3,949 |
| 2024-2025 | 1,168 | 967   | 828 | 1,056 | 4,019 |
| 2025-2026 | 1,204 | 1,000 | 834 | 1,031 | 4,069 |
| 2026-2027 | 1,234 | 1,033 | 854 | 1,006 | 4,128 |

Source: Virginia Department of Education, Fall Count. University of Virginia, Weldon Cooper Center,
Demographics Research Group Enrollment Projections

On the division level, the number of economically disadvantaged students is likely to follow a similar trend as the overall student enrollment, with little growth for the rest of the decade, before rising in the next decade as a result of the expected rise in births. In Albemarle County, the percent of students who are economically disadvantaged should rise slightly during the projection period.

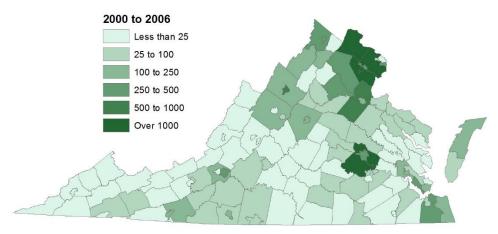
A key limitation of the grade-progression ratio model is that it cannot anticipate changes in economic trends. For example, the overall percent of students in Virginia who are economically disadvantaged has declined over the past few years, but the model alone cannot account for poverty rates continuing to decline during the projection period. While it is possible to raise or lower grade progression rates for economically disadvantaged students to account for an expected rise or fall in poverty rates, progression rates for the Albemarle projection were not adjusted based on the assumption that an improving economy will be balanced by an aging housing stock.

#### IV. LIMITED ENGLISH PROFICIENCY ENROLLMENT

After decades of growth, the increase in the number of limited English proficiency students in Virginia is slowing due to changing immigration trends. In Albemarle County, the number of limited English proficiency students is unlikely to continue growing over the next decade; additionally, most of the limited English proficiency students are highly concentrated in the county's most affordable housing types, according to Albemarle County housing data.

During the 1980s and 1990s, the United States experienced rapid growth in its limited English proficiency population. Though the United States has a small native born population (concentrated in Puerto Rico) with limited English proficiency, the growth was primarily driven by immigration from Mexico and Central America. Virginia was affected later than some states by the increase in immigration, but during the 2000s, the percentage of public school students in Virginia with limited English proficiency doubled to 9.4 percent.

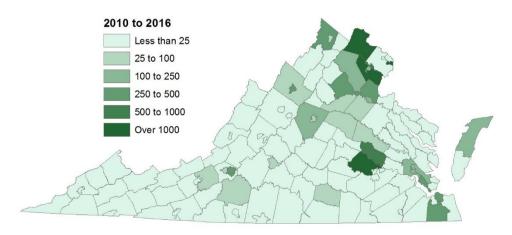
# Growth in Limited English Proficiency K-12 Enrollment



Source: Virginia Department of Education, Fall Count.

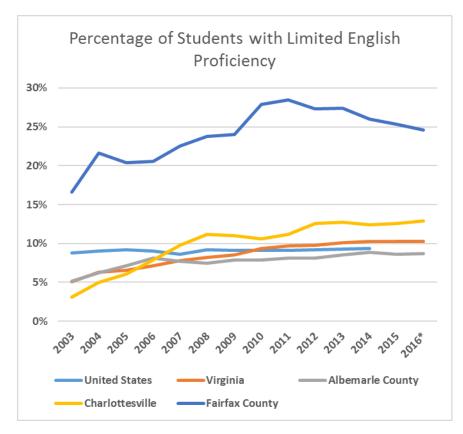
Much of Virginia's growth in students with limited English proficiency during the 2000s was concentrated in its largest metropolitan areas, particularly Northern Virginia. Some rural areas with sizeable agricultural industries, including the Shenandoah Valley, Eastern Shore and Southside, also experienced considerable growth in the number of students with limited English proficiency.

#### **Growth in Limited English Proficiency K-12 Enrollment**



Source: Virginia Department of Education, Fall Count.

Since 2010, growth in the number of Virginia students with limited English proficiency has been considerably slower than during the 2000s. Nationally, the percent of students with limited English proficiency has stopped growing. In some Northern Virginia counties, such as Arlington and Fairfax, the percent of students with limited English proficiency has declined since 2010. In Albemarle County, the percent of students with limited English proficiency has grown by less than one percent since 2010.



Source: Virginia Department of Education, Fall Count.

\*VDOE changed its definition of limited English proficiency students in 2016, the 2016 percentages were calculated using the past definition to allow for comparison

The reason that the growth in the number of students with limited English proficiency has slowed and, in some cases reversed, is that the countries where U.S. immigrants originate has changed considerably since the 2000s. Immigration from Mexico has fallen by nearly 70 percent since 2000, but the number of U.S. immigrants from China and India has increased (surpassing even Mexico), making these two countries the largest source of U.S. immigrants. Census data shows that recent immigrants from China and India typically have a higher educational attainment than those from Mexico and are usually more fluent in English. As a result, students' native languages are growing more diverse, but overall, a rising share of first- and second-generation students are fluent in English.

#### **Limited English Proficiency Enrollment Projections**

Limited English proficiency enrollment projections have many of the same challenges as projecting economically disadvantaged student enrollment and are also not commonly produced. Limited English proficiency enrollment has been significantly impacted by economic and political trends. Additionally, federal and state requirements for limited English proficiency programs can change from year to year, altering the number of students enrolled in limited English proficiency programs.

Similar to economically disadvantaged students, the grade progression ratio method works reasonably well for projecting limited English proficiency enrollment. Limited English proficiency students typically follow a clear pattern: as they progress from grade to grade, more and more students typically become fluent in English and no longer enroll in limited English proficiency programs.

When tested on the division level, the grade-progression ratio model projected the total number of limited English proficiency students in Albemarle within 4 percent of the actual enrollment between 2013 and 2015. For elementary students, which make up the largest portion of Albemarle's limited English proficiency enrollment, the model projected enrollment within 5 percent of the actual enrollment in those years. For middle and high school students, the model did not perform as well, only projecting within 20 percent of the actual enrollment. The reason the model did not perform well for this cohort is that the number of students is much smaller and the progression rates between grades is much more variable. The grade progression ratio projection model may work on the school level as well, but similar to economically disadvantaged students, VDOE's unsuppressed grade counts would need to be made available.

**Limited English Proficiency Enrollment Projections** 

|           | K-2 | 3-5 | 6-8 | 9-12 | Total |
|-----------|-----|-----|-----|------|-------|
| 2016-2017 | 372 | 406 | 308 | 307  | 1,393 |
| 2017-2018 | 348 | 402 | 303 | 331  | 1,384 |
| 2018-2019 | 363 | 325 | 305 | 391  | 1,385 |
| 2019-2020 | 357 | 321 | 269 | 428  | 1,374 |
| 2020-2021 | 362 | 304 | 265 | 430  | 1,361 |
| 2021-2022 | 373 | 316 | 216 | 438  | 1,343 |
| 2022-2023 | 388 | 310 | 213 | 399  | 1,310 |
| 2023-2024 | 400 | 315 | 200 | 374  | 1,290 |
| 2024-2025 | 413 | 325 | 209 | 334  | 1,281 |
| 2025-2026 | 426 | 338 | 205 | 304  | 1,273 |
| 2026-2027 | 436 | 349 | 209 | 299  | 1,293 |

Source: Virginia Department of Education, Fall Count. University of Virginia, Weldon Cooper Center,
Demographics Research Group Enrollment Projections

On the division level, the number of limited English proficiency students is likely to decline slowly but gradually over the next ten years. After the large cohorts of limited English proficiency students progress to high school, middle school enrollment should decline. High school limited English proficiency enrollment is likely to rise until the early 2020s before declining. Elementary limited English proficiency enrollment should remain stable until the early 2020s, at which point it will likely grow due to the rising number of births. Overall, the percentage of Albemarle students enrolled in limited English proficiency programs should stop growing and decline slightly over the next ten years, mirroring national and state trends.

As has been noted earlier, projecting special populations, including economically disadvantaged or limited English proficiency enrollment, typically results in a higher margin of error than projecting total student enrollment. If data were available to project on the school level, the margins of error for those projections would, in many cases, be too high for them to be useful.

2016 Limited English Proficiency Yield Rate by Housing Type

| Type of Dwelling Unit  | All Students |
|------------------------|--------------|
| Single Family Detached | 0.02         |
| Single Family Attached | 0.04         |
| Townhouse              | 0.07         |
| Multi-family           | 0.13         |
| Mobile Home            | 0.26         |

Source: Albemarle County Public Schools, Albemarle County Real Estate Records

Albemarle does have other tools for predicting student enrollment for special populations below the division level. Comparing Albemarle's student residence addresses with Albemarle's housing data shows that limited English proficiency students are highly concentrated in certain parts of the county and specific housing types. Limited English proficiency students are much more likely to live in mobile or multi-family homes and less likely to live in detached single-family homes than most Albemarle students. Typically, an immigrant with limited English proficiency has limited earning potential and, thus, limited housing options. As a result, many of these immigrant families live in low-cost housing, such as mobile or multi-family homes. Using the limited English proficiency enrollment projections along with the student' housing data can help Albemarle better anticipate future changes in limited English proficiency enrollment.

# **V. APPENDICES**

# Appendix A: Ten Year Enrollment Projections for 16 Elementary Schools

#### **Agnor-Hurt Elementary**

|            | KG  | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|-----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 81  | 85      | 73      | 87      | 89      | 73      | 488   |
| 2017 -2018 | 105 | 76      | 78      | 72      | 83      | 86      | 500   |
| 2018 -2019 | 93  | 100     | 71      | 79      | 70      | 79      | 493   |
| 2019 -2020 | 96  | 89      | 95      | 72      | 76      | 67      | 495   |
| 2020 -2021 | 100 | 90      | 84      | 97      | 70      | 73      | 514   |
| 2021 -2022 | 101 | 94      | 85      | 84      | 93      | 67      | 523   |
| 2022 -2023 | 106 | 95      | 88      | 85      | 81      | 89      | 544   |
| 2023 -2024 | 109 | 101     | 90      | 89      | 82      | 77      | 548   |
| 2024 -2025 | 113 | 103     | 95      | 91      | 85      | 79      | 565   |
| 2025 -2026 | 116 | 106     | 97      | 96      | 87      | 82      | 584   |
| 2026 -2027 | 118 | 109     | 100     | 98      | 92      | 83      | 600   |

#### **Baker-Butler Elementary**

|            | KG  | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|-----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 91  | 86      | 111     | 105     | 100     | 90      | 583   |
| 2017 -2018 | 104 | 93      | 87      | 114     | 104     | 105     | 607   |
| 2018 -2019 | 92  | 106     | 93      | 89      | 113     | 110     | 604   |
| 2019 -2020 | 99  | 92      | 107     | 95      | 89      | 119     | 600   |
| 2020 -2021 | 100 | 99      | 94      | 108     | 93      | 93      | 587   |
| 2021 -2022 | 103 | 101     | 101     | 95      | 107     | 97      | 604   |
| 2022 -2023 | 106 | 104     | 102     | 103     | 94      | 113     | 622   |
| 2023 -2024 | 110 | 107     | 105     | 104     | 101     | 99      | 626   |
| 2024 -2025 | 113 | 110     | 109     | 107     | 103     | 106     | 649   |
| 2025 -2026 | 117 | 114     | 112     | 111     | 105     | 108     | 667   |
| 2026 -2027 | 119 | 118     | 116     | 114     | 109     | 110     | 686   |

#### **Benjamin F. Yancey Elementary**

|            | KG | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 15 | 24      | 17      | 16      | 20      | 26      | 118   |
| 2017 -2018 | 16 | 16      | 24      | 17      | 17      | 20      | 110   |
| 2018 -2019 | 14 | 18      | 15      | 23      | 19      | 17      | 105   |
| 2019 -2020 | 15 | 16      | 17      | 14      | 25      | 18      | 105   |
| 2020 -2021 | 17 | 17      | 15      | 16      | 16      | 25      | 106   |
| 2021 -2022 | 17 | 19      | 17      | 14      | 17      | 15      | 99    |
| 2022 -2023 | 17 | 19      | 18      | 16      | 15      | 17      | 103   |
| 2023 -2024 | 18 | 19      | 18      | 17      | 18      | 15      | 105   |
| 2024 -2025 | 19 | 20      | 18      | 17      | 19      | 17      | 110   |
| 2025 -2026 | 19 | 21      | 19      | 17      | 19      | 19      | 114   |
| 2026 -2027 | 20 | 21      | 20      | 18      | 19      | 18      | 116   |

# **Broadus Wood Elementary**

|            | KG | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 34 | 38      | 42      | 41      | 52      | 40      | 247   |
| 2017 -2018 | 28 | 37      | 38      | 43      | 40      | 50      | 236   |
| 2018 -2019 | 30 | 30      | 36      | 38      | 40      | 38      | 212   |
| 2019 -2020 | 32 | 33      | 29      | 36      | 36      | 38      | 203   |
| 2020 -2021 | 33 | 35      | 31      | 28      | 33      | 34      | 194   |
| 2021 -2022 | 34 | 36      | 34      | 31      | 27      | 31      | 193   |
| 2022 -2023 | 36 | 37      | 35      | 33      | 29      | 25      | 196   |
| 2023 -2024 | 37 | 39      | 36      | 34      | 31      | 28      | 204   |
| 2024 -2025 | 38 | 39      | 37      | 35      | 32      | 30      | 212   |
| 2025 -2026 | 39 | 41      | 38      | 37      | 33      | 31      | 218   |
| 2026 -2027 | 40 | 42      | 40      | 38      | 35      | 31      | 225   |

#### **Brownsville Elementary**

|            | KG  | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|-----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 106 | 115     | 138     | 122     | 137     | 109     | 727   |
| 2017 -2018 | 113 | 117     | 120     | 147     | 126     | 139     | 763   |
| 2018 -2019 | 128 | 127     | 121     | 128     | 151     | 125     | 781   |
| 2019 -2020 | 106 | 146     | 133     | 130     | 132     | 154     | 801   |
| 2020 -2021 | 110 | 121     | 155     | 143     | 132     | 134     | 796   |
| 2021 -2022 | 118 | 126     | 128     | 167     | 146     | 135     | 821   |
| 2022 -2023 | 123 | 134     | 132     | 137     | 171     | 148     | 846   |
| 2023 -2024 | 127 | 140     | 140     | 142     | 141     | 174     | 864   |
| 2024 -2025 | 131 | 145     | 148     | 151     | 145     | 143     | 863   |
| 2025 -2026 | 135 | 150     | 153     | 159     | 155     | 148     | 898   |
| 2026 -2027 | 137 | 154     | 157     | 164     | 163     | 157     | 932   |

# **Crozet Elementary**

|            | KG | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 58 | 59      | 58      | 72      | 62      | 48      | 357   |
| 2017 -2018 | 48 | 61      | 59      | 61      | 73      | 62      | 364   |
| 2018 -2019 | 55 | 50      | 61      | 61      | 61      | 73      | 361   |
| 2019 -2020 | 59 | 57      | 49      | 62      | 63      | 61      | 351   |
| 2020 -2021 | 59 | 61      | 57      | 50      | 66      | 63      | 355   |
| 2021 -2022 | 61 | 61      | 60      | 59      | 53      | 66      | 361   |
| 2022 -2023 | 62 | 64      | 61      | 62      | 61      | 53      | 363   |
| 2023 -2024 | 64 | 65      | 63      | 63      | 65      | 61      | 381   |
| 2024 -2025 | 67 | 67      | 64      | 65      | 65      | 65      | 393   |
| 2025 -2026 | 69 | 69      | 67      | 66      | 68      | 65      | 404   |
| 2026 -2027 | 70 | 71      | 69      | 69      | 69      | 68      | 416   |

# **Hollymead Elementary**

|            | KG | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 61 | 59      | 79      | 82      | 86      | 86      | 453   |
| 2017 -2018 | 70 | 61      | 58      | 77      | 81      | 85      | 432   |
| 2018 -2019 | 57 | 73      | 63      | 59      | 79      | 81      | 412   |
| 2019 -2020 | 53 | 59      | 76      | 64      | 61      | 79      | 391   |
| 2020 -2021 | 61 | 54      | 59      | 75      | 66      | 61      | 376   |
| 2021 -2022 | 67 | 62      | 55      | 59      | 77      | 67      | 388   |
| 2022 -2023 | 68 | 69      | 63      | 55      | 61      | 77      | 394   |
| 2023 -2024 | 71 | 70      | 70      | 64      | 57      | 61      | 393   |
| 2024 -2025 | 73 | 72      | 72      | 71      | 65      | 57      | 410   |
| 2025 -2026 | 75 | 74      | 74      | 72      | 72      | 65      | 433   |
| 2026 -2027 | 77 | 77      | 76      | 74      | 74      | 73      | 450   |

#### **Mary Carr Greer Elementary**

|            | KG  | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|-----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 128 | 103     | 128     | 100     | 87      | 76      | 622   |
| 2017 -2018 | 110 | 120     | 104     | 119     | 104     | 86      | 643   |
| 2018 -2019 | 117 | 100     | 123     | 94      | 124     | 101     | 660   |
| 2019 -2020 | 131 | 106     | 102     | 109     | 100     | 120     | 667   |
| 2020 -2021 | 129 | 119     | 108     | 91      | 116     | 95      | 659   |
| 2021 -2022 | 134 | 118     | 123     | 99      | 98      | 112     | 683   |
| 2022 -2023 | 136 | 122     | 120     | 111     | 104     | 95      | 689   |
| 2023 -2024 | 141 | 124     | 125     | 108     | 118     | 101     | 717   |
| 2024 -2025 | 146 | 129     | 127     | 112     | 115     | 114     | 743   |
| 2025 -2026 | 150 | 133     | 132     | 114     | 120     | 111     | 760   |
| 2026 -2027 | 153 | 137     | 136     | 119     | 122     | 115     | 782   |

#### **Meriwether Lewis Elementary**

|            | KG | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 65 | 79      | 77      | 70      | 83      | 74      | 448   |
| 2017 -2018 | 54 | 68      | 81      | 76      | 71      | 79      | 429   |
| 2018 -2019 | 61 | 57      | 70      | 81      | 77      | 68      | 414   |
| 2019 -2020 | 63 | 65      | 60      | 71      | 83      | 73      | 415   |
| 2020 -2021 | 64 | 67      | 67      | 60      | 73      | 79      | 411   |
| 2021 -2022 | 68 | 70      | 70      | 67      | 63      | 70      | 407   |
| 2022 -2023 | 70 | 72      | 72      | 70      | 69      | 59      | 413   |
| 2023 -2024 | 72 | 74      | 75      | 73      | 72      | 66      | 432   |
| 2024 -2025 | 75 | 77      | 77      | 75      | 75      | 68      | 448   |
| 2025 -2026 | 77 | 80      | 80      | 78      | 78      | 71      | 463   |
| 2026 -2027 | 78 | 82      | 83      | 80      | 80      | 74      | 478   |

# Paul H. Cale Elementary

|            | KG  | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|-----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 93  | 107     | 132     | 98      | 111     | 73      | 614   |
| 2017 -2018 | 104 | 104     | 132     | 100     | 111     | 75      | 626   |
| 2018 -2019 | 111 | 104     | 100     | 127     | 97      | 106     | 645   |
| 2019 -2020 | 108 | 110     | 102     | 96      | 124     | 93      | 633   |
| 2020 -2021 | 107 | 107     | 108     | 97      | 94      | 119     | 631   |
| 2021 -2022 | 111 | 106     | 104     | 102     | 95      | 89      | 607   |
| 2022 -2023 | 117 | 111     | 103     | 100     | 99      | 90      | 621   |
| 2023 -2024 | 121 | 117     | 108     | 98      | 97      | 95      | 636   |
| 2024 -2025 | 125 | 120     | 114     | 103     | 96      | 93      | 651   |
| 2025 -2026 | 128 | 124     | 117     | 108     | 100     | 92      | 669   |
| 2026 -2027 | 130 | 127     | 121     | 112     | 106     | 96      | 691   |

#### **Red Hill Elementary**

|            | KG | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 24 | 23      | 23      | 18      | 20      | 24      | 132   |
| 2017 -2018 | 23 | 22      | 22      | 21      | 20      | 18      | 126   |
| 2018 -2019 | 19 | 21      | 21      | 20      | 22      | 18      | 122   |
| 2019 -2020 | 18 | 18      | 20      | 20      | 22      | 21      | 118   |
| 2020 -2021 | 21 | 18      | 16      | 18      | 21      | 20      | 114   |
| 2021 -2022 | 23 | 20      | 16      | 15      | 19      | 18      | 112   |
| 2022 -2023 | 24 | 22      | 19      | 15      | 16      | 17      | 113   |
| 2023 -2024 | 24 | 23      | 21      | 17      | 16      | 14      | 115   |
| 2024 -2025 | 25 | 24      | 21      | 19      | 18      | 14      | 122   |
| 2025 -2026 | 26 | 24      | 22      | 19      | 20      | 17      | 128   |
| 2026 -2027 | 27 | 25      | 23      | 20      | 20      | 18      | 133   |

# **Scottsville Elementary**

|            | KG | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 31 | 33      | 27      | 35      | 28      | 27      | 181   |
| 2017 -2018 | 22 | 30      | 33      | 25      | 34      | 29      | 172   |
| 2018 -2019 | 29 | 21      | 29      | 31      | 25      | 36      | 171   |
| 2019 -2020 | 24 | 29      | 22      | 28      | 31      | 27      | 160   |
| 2020 -2021 | 27 | 25      | 28      | 20      | 28      | 33      | 162   |
| 2021 -2022 | 29 | 27      | 25      | 27      | 21      | 30      | 159   |
| 2022 -2023 | 31 | 29      | 27      | 23      | 27      | 22      | 159   |
| 2023 -2024 | 31 | 31      | 29      | 26      | 23      | 29      | 169   |
| 2024 -2025 | 32 | 32      | 30      | 27      | 26      | 25      | 172   |
| 2025 -2026 | 33 | 32      | 31      | 29      | 28      | 28      | 181   |
| 2026 -2027 | 34 | 33      | 32      | 29      | 29      | 29      | 187   |

# **Stone Robinson Elementary**

|            | KG | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 79 | 51      | 72      | 58      | 71      | 59      | 390   |
| 2017 -2018 | 81 | 81      | 51      | 71      | 60      | 69      | 412   |
| 2018 -2019 | 62 | 80      | 81      | 50      | 74      | 59      | 406   |
| 2019 -2020 | 77 | 61      | 79      | 78      | 51      | 72      | 418   |
| 2020 -2021 | 78 | 75      | 61      | 76      | 80      | 49      | 420   |
| 2021 -2022 | 81 | 75      | 75      | 60      | 79      | 79      | 448   |
| 2022 -2023 | 83 | 80      | 75      | 73      | 62      | 77      | 449   |
| 2023 -2024 | 85 | 81      | 80      | 73      | 75      | 60      | 454   |
| 2024 -2025 | 88 | 83      | 81      | 77      | 75      | 74      | 478   |
| 2025 -2026 | 91 | 86      | 83      | 79      | 80      | 73      | 491   |
| 2026 -2027 | 92 | 88      | 86      | 81      | 81      | 78      | 506   |

#### **Stony Point Elementary**

|            | KG | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 37 | 37      | 45      | 44      | 43      | 29      | 235   |
| 2017 -2018 | 40 | 36      | 40      | 42      | 44      | 41      | 241   |
| 2018 -2019 | 31 | 39      | 39      | 37      | 41      | 43      | 229   |
| 2019 -2020 | 31 | 32      | 42      | 36      | 36      | 40      | 217   |
| 2020 -2021 | 35 | 32      | 36      | 41      | 35      | 35      | 214   |
| 2021 -2022 | 38 | 36      | 35      | 34      | 40      | 34      | 216   |
| 2022 -2023 | 39 | 38      | 39      | 33      | 34      | 39      | 220   |
| 2023 -2024 | 40 | 39      | 41      | 37      | 32      | 33      | 222   |
| 2024 -2025 | 41 | 40      | 43      | 39      | 36      | 31      | 230   |
| 2025 -2026 | 42 | 41      | 44      | 41      | 38      | 35      | 242   |
| 2026 -2027 | 43 | 43      | 46      | 42      | 40      | 37      | 250   |

# Virginia L. Murray Elementary

|            | KG | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 36 | 42      | 33      | 47      | 49      | 33      | 240   |
| 2017 -2018 | 39 | 38      | 42      | 37      | 49      | 44      | 250   |
| 2018 -2019 | 42 | 42      | 38      | 46      | 38      | 45      | 251   |
| 2019 -2020 | 47 | 44      | 42      | 43      | 47      | 35      | 257   |
| 2020 -2021 | 47 | 49      | 43      | 47      | 43      | 43      | 271   |
| 2021 -2022 | 45 | 48      | 48      | 48      | 48      | 39      | 277   |
| 2022 -2023 | 46 | 47      | 47      | 54      | 49      | 44      | 288   |
| 2023 -2024 | 48 | 48      | 47      | 53      | 55      | 45      | 296   |
| 2024 -2025 | 50 | 50      | 48      | 52      | 54      | 50      | 304   |
| 2025 -2026 | 52 | 52      | 49      | 53      | 54      | 49      | 309   |
| 2026 -2027 | 52 | 53      | 51      | 55      | 55      | 49      | 315   |

#### **Woodbrook Elementary**

|            | KG | Grade 1 | Grade 2 | Grade 3 | Grade 4 | Grade 5 | Total |
|------------|----|---------|---------|---------|---------|---------|-------|
| 2016 -2017 | 48 | 52      | 63      | 52      | 52      | 46      | 313   |
| 2017 -2018 | 53 | 46      | 53      | 58      | 57      | 52      | 318   |
| 2018 -2019 | 56 | 51      | 46      | 48      | 63      | 55      | 320   |
| 2019 -2020 | 55 | 53      | 51      | 42      | 54      | 61      | 315   |
| 2020 -2021 | 56 | 53      | 54      | 47      | 47      | 52      | 309   |
| 2021 -2022 | 58 | 54      | 54      | 48      | 52      | 45      | 312   |
| 2022 -2023 | 61 | 56      | 54      | 49      | 53      | 51      | 324   |
| 2023 -2024 | 63 | 58      | 56      | 49      | 55      | 52      | 333   |
| 2024 -2025 | 64 | 60      | 58      | 51      | 55      | 53      | 342   |
| 2025 -2026 | 66 | 61      | 60      | 53      | 57      | 53      | 352   |
| 2026 -2027 | 68 | 63      | 62      | 55      | 59      | 55      | 362   |

Source: University of Virginia Weldon Cooper Center, using geocoded birth data from the Virginia Department of Health and enrollment data provided by Albemarle County Public Schools.

**Appendix B: Birth Counts by Attendance Zone** 

| Elementary         |       |       |       |      |       |       |       |       |       |       |       |       |       |       |
|--------------------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Schools            | 2001  | 2002  | 2003  | 2004 | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014  |
| Agnor-Hurt         | 97    | 64    | 82    | 66   | 78    | 77    | 87    | 109   | 88    | 96    | 105   | 116   | 101   | 109   |
| Baker-Butler       | 97    | 71    | 84    | 60   | 90    | 65    | 80    | 97    | 80    | 68    | 79    | 87    | 72    | 83    |
| Broadus            |       |       |       |      |       |       |       |       |       |       |       |       |       |       |
| Wood               | 51    | 45    | 56    | 40   | 60    | 51    | 51    | 51    | 51    | 39    | 44    | 27    | 39    | 38    |
| Brownsville        | 61    | 57    | 60    | 60   | 63    | 92    | 84    | 64    | 73    | 65    | 84    | 78    | 95    | 67    |
| Cale               | 156   | 137   | 132   | 150  | 155   | 160   | 183   | 164   | 172   | 164   | 157   | 139   | 174   | 155   |
| Crozet             | 66    | 55    | 51    | 47   | 57    | 55    | 65    | 64    | 54    | 61    | 48    | 47    | 56    | 57    |
| Greer              | 222   | 199   | 205   | 156  | 169   | 190   | 195   | 194   | 185   | 197   | 177   | 174   | 181   | 206   |
| Hollymead          | 39    | 53    | 52    | 50   | 46    | 46    | 55    | 38    | 50    | 49    | 34    | 51    | 32    | 37    |
| Meriwether         |       |       |       |      |       |       |       |       |       |       |       |       |       |       |
| Lewis              | 39    | 43    | 37    | 36   | 44    | 45    | 42    | 40    | 37    | 42    | 33    | 31    | 36    | 35    |
| Murray             | 25    | 23    | 31    | 29   | 30    | 26    | 33    | 26    | 28    | 28    | 23    | 31    | 29    | 35    |
| Red Hill           | 38    | 30    | 28    | 31   | 24    | 25    | 35    | 39    | 31    | 32    | 28    | 29    | 22    | 23    |
| Scottsville        | 41    | 58    | 34    | 34   | 35    | 34    | 37    | 41    | 35    | 38    | 39    | 22    | 39    | 28    |
| Stone-             |       |       |       |      |       |       |       |       |       |       |       |       |       |       |
| Robinson           | 65    | 73    | 86    | 63   | 80    | 68    | 65    | 65    | 77    | 81    | 83    | 86    | 64    | 93    |
| <b>Stony Point</b> | 59    | 34    | 38    | 55   | 45    | 48    | 57    | 60    | 50    | 49    | 45    | 52    | 41    | 42    |
| Woodbrook          | 46    | 63    | 54    | 49   | 49    | 56    | 72    | 64    | 73    | 67    | 56    | 64    | 62    | 67    |
| Yancey             | 30    | 29    | 22    | 25   | 26    | 31    | 30    | 30    | 26    | 23    | 18    | 24    | 18    | 22    |
| Albemarle          |       |       |       |      |       |       |       |       |       |       |       |       |       |       |
| County             | 1,132 | 1,034 | 1,052 | 951  | 1,051 | 1,069 | 1,171 | 1,146 | 1,110 | 1,099 | 1,053 | 1,058 | 1,061 | 1,097 |

Source: Birth data from the Virginia Department of Health, geocoded by the University of Virginia Weldon Cooper Center.

**Appendix C: Housing Yield Rates by Housing Age** 

| Type of Dwelling Unit    | Pre-2000 | 2000s | 2010s |
|--------------------------|----------|-------|-------|
| Single Family (Detached) | 0.26     | 0.54  | 0.59  |
| Single Family (Attached) | 0.30     | 0.36  | 0.18  |
| Town Home                | 0.27     | 0.50  | 0.38  |
| Multi-Family             | 0.21     | 0.18  | 0.14  |

Source: Albemarle County Real Estate Records, dwelling units with specified construction year.

# **Appendix D: Housing Yield Rates by Elementary Attendance Zone**

#### **Single Family Detached**

|                  | Elementary | Middle | High | Total |
|------------------|------------|--------|------|-------|
| Agnor-Hurt       | 0.13       | 0.08   | 0.10 | 0.31  |
| Baker-Butler     | 0.18       | 0.11   | 0.16 | 0.45  |
| Broadus Wood     | 0.11       | 0.06   | 0.11 | 0.28  |
| Brownsville      | 0.23       | 0.12   | 0.15 | 0.49  |
| Cale             | 0.14       | 0.07   | 0.10 | 0.32  |
| Crozet           | 0.18       | 0.08   | 0.14 | 0.40  |
| Greer            | 0.09       | 0.04   | 0.09 | 0.22  |
| Hollymead        | 0.31       | 0.18   | 0.23 | 0.72  |
| Meriwether Lewis | 0.19       | 0.08   | 0.11 | 0.38  |
| Murray           | 0.14       | 0.07   | 0.09 | 0.29  |
| Red Hill         | 0.11       | 0.04   | 0.08 | 0.22  |
| Scottsville      | 0.15       | 0.06   | 0.10 | 0.32  |
| Stone-Robinson   | 0.10       | 0.05   | 0.08 | 0.24  |
| Stony Point      | 0.14       | 0.08   | 0.12 | 0.33  |
| Woodbrook        | 0.13       | 0.08   | 0.12 | 0.33  |
| Yancey           | 0.12       | 0.06   | 0.10 | 0.28  |

# **Single Family Attached**

|                  | Elementary | Middle | High | Total |
|------------------|------------|--------|------|-------|
| Agnor-Hurt       | 0.12       | 0.04   | 0.06 | 0.22  |
| Baker-Butler     | 0.24       | 0.09   | 0.14 | 0.47  |
| Broadus Wood     | -          | -      | -    | -     |
| Brownsville      | 0.22       | -      | -    | 0.52  |
| Cale             | 0.09       | 0.05   | 0.05 | 0.18  |
| Crozet           | 0.17       | 0.08   | 0.09 | 0.35  |
| Greer            | 0.13       | 0.06   | 0.09 | 0.28  |
| Hollymead        | 0.22       | -      | 0.13 | 0.41  |
| Meriwether Lewis | -          | -      | -    | -     |
| Murray           | -          | -      | -    | 0.04  |
| Red Hill         | -          | -      | -    | 0.50  |
| Scottsville      | -          | -      | -    | 0.27  |
| Stone-Robinson   | -          | -      | -    | 0.03  |
| Stony Point      |            | -      | _    | 0.30  |
| Woodbrook        | -          | -      | -    | -     |
| Yancey           | -          | -      | -    | -     |

#### Townhouse

|                  | Elementary | Middle | High | Total |
|------------------|------------|--------|------|-------|
| Agnor-Hurt       | 0.12       | 0.04   | 0.06 | 0.22  |
| Baker-Butler     | 0.19       | 0.08   | 0.08 | 0.36  |
| Broadus Wood     | -          | 1      | -    | 1     |
| Brownsville      | 0.22       | 0.14   | 0.11 | 0.47  |
| Cale             | 0.11       | 0.04   | 0.09 | 0.24  |
| Crozet           | -          | 0.20   | 0.20 | 0.53  |
| Greer            | 0.13       | 0.06   | 0.09 | 0.29  |
| Hollymead        | 0.33       | 0.09   | 0.09 | 0.51  |
| Meriwether Lewis | -          | -      | -    | -     |
| Murray           | -          | -      | -    | 0.16  |
| Red Hill         | -          | -      | -    | -     |
| Scottsville      | -          | 1      | -    | 1     |
| Stone-Robinson   | 0.13       | -      | 0.06 | 0.22  |
| Stony Point      | -          | -      | -    | 0.14  |
| Woodbrook        | -          | 1      | -    | 0.18  |
| Yancey           | -          | -      | -    | -     |

# **Multi-family**

|                  | Elementary | Middle | High | Total |
|------------------|------------|--------|------|-------|
| Agnor-Hurt       | 0.16       | 0.05   | 0.07 | 0.28  |
| Baker-Butler     | 0.02       | 1      | ı    | 0.02  |
| Broadus Wood     | -          | ı      | 1    | 1     |
| Brownsville      | 0.10       | 0.03   | 0.03 | 0.15  |
| Cale             | 0.04       | 0.01   | 0.03 | 0.08  |
| Crozet           | -          | -      | 1    | 1     |
| Greer            | 0.13       | 0.03   | 0.06 | 0.22  |
| Hollymead        | 0.26       | 0.06   | 0.08 | 0.40  |
| Meriwether Lewis | -          | ı      | 1    | 1     |
| Murray           | -          | -      | 1    | 1     |
| Red Hill         | -          | 1      | i    | ı     |
| Scottsville      | 0.06       | 0.11   | ı    | 0.17  |
| Stone-Robinson   | 0.02       | 1      | 0.01 | 0.03  |
| Stony Point      | 0.10       | 0.04   | 0.04 | 0.17  |
| Woodbrook        | 0.31       | 0.11   | 0.15 | 0.57  |
| Yancey           | -          | -      | 1    | -     |

#### **Mobile Homes**

|                  | Elementary | Middle | High | Total |
|------------------|------------|--------|------|-------|
| Agnor-Hurt       | 0.31       | 0.17   | 0.17 | 0.64  |
| Baker-Butler     | 0.21       | 0.07   | 0.09 | 0.37  |
| Broadus Wood     | -          | ı      | ı    | -     |
| Brownsville      | -          | ı      | ı    | -     |
| Cale             | 0.42       | 0.14   | 0.17 | 0.73  |
| Crozet           | -          | -      | ı    | -     |
| Greer            | -          | ı      | ı    | -     |
| Hollymead        | -          | -      | -    | 0.06  |
| Meriwether Lewis | -          | -      | -    | -     |
| Murray           | _          | -      | -    | 3.00  |
| Red Hill         | -          | -      | ı    | 0.50  |
| Scottsville      | -          | -      | -    | 1.13  |
| Stone-Robinson   | -          | -      | -    | -     |
| Stony Point      | -          | -      | -    | _     |
| Woodbrook        | -          | -      | -    | -     |
| Yancey           | -          | -      | -    | 0.67  |

Source: Albemarle County Real Estate Records. The total can be greater than the sum of school levels because the student generation rates were not calculated for geographies and school levels with less than 10 counts in a category.

# Appendix E: 5 Housing Yield Rate by Comprehensive Plan Area

#### **Single Family Detached**

|                            | Elementary | Middle | High | Total |
|----------------------------|------------|--------|------|-------|
| Crozet                     | 0.32       | 0.14   | 0.19 | 0.64  |
| Hollymead - Places 29      | 0.26       | 0.15   | 0.20 | 0.60  |
| Neighborhood 1 - Places 29 | 0.13       | 0.06   | 0.09 | 0.28  |
| Neighborhood 2 - Places 29 | 0.14       | 0.08   | 0.12 | 0.34  |
| Neighborhood 3 - Pantops   | 0.22       | 0.11   | 0.11 | 0.44  |
| Neighborhood 4             | 0.13       | 0.06   | 0.10 | 0.29  |
| Neighborhood 5             | 0.16       | 0.10   | 0.11 | 0.38  |
| Neighborhood 6             | 0.14       | 0.05   | 0.05 | 0.25  |
| Neighborhood 7             | 0.13       | 0.04   | 0.10 | 0.27  |
| Piney Mtn Places 29        | 0.19       | 0.10   | 0.19 | 0.49  |
| Village of Rivanna         | 0.09       | 0.04   | 0.09 | 0.23  |
| Rural Area 1               | 0.11       | 0.06   | 0.10 | 0.27  |
| Rural Area 2               | 0.11       | 0.07   | 0.10 | 0.28  |
| Rural Area 3               | 0.15       | 0.07   | 0.11 | 0.33  |
| Rural Area 4               | 0.13       | 0.06   | 0.10 | 0.29  |
| Town of Scottsville        | 0.12       | 0.06   | 0.07 | 0.25  |

#### **Single Family Attached**

|                            | Elementary | Middle | High | Total |
|----------------------------|------------|--------|------|-------|
| Crozet                     | 0.18       | 0.09   | 0.10 | 0.37  |
| Hollymead - Places 29      | 0.18       | ı      | 0.11 | 0.33  |
| Neighborhood 1 - Places 29 | 0.16       | 0.06   | 0.09 | 0.30  |
| Neighborhood 2 - Places 29 | 1          | 1      | 1    | 0.11  |
| Neighborhood 3 - Pantops   | -          | ı      | -    | -     |
| Neighborhood 4             | 0.10       | 0.05   | 0.05 | 0.21  |
| Neighborhood 5             | -          |        | 1    | 0.13  |
| Neighborhood 6             | 1          | 1      | 1    | -     |
| Neighborhood 7             | -          |        | 1    | 0.12  |
| Piney Mtn Places 29        | 0.26       | 0.10   | 0.15 | 0.52  |
| Village of Rivanna         | -          |        | 1    | -     |
| Rural Area 1               | -          | -      | 1    | 0.29  |
| Rural Area 2               | -          | ı      | -    | -     |
| Rural Area 3               | -          | -      | 1    | -     |
| Rural Area 4               | -          |        | -    | -     |
| Town of Scottsville        | -          |        | -    | -     |

#### Townhouse

|                            | Elementary | Middle | High | Total |
|----------------------------|------------|--------|------|-------|
| Crozet                     | 0.20       | 0.15   | 0.13 | 0.48  |
| Hollymead - Places 29      | 0.24       | 0.08   | 0.07 | 0.39  |
| Neighborhood 1 - Places 29 | 0.17       | 0.08   | 0.10 | 0.34  |
| Neighborhood 2 - Places 29 | 0.09       | 0.03   | 0.05 | 0.16  |
| Neighborhood 3 - Pantops   | 0.12       | 1      | 0.07 | 0.22  |
| Neighborhood 4             | 0.09       | -      | 0.06 | 0.16  |
| Neighborhood 5             | 0.15       | 1      | 0.15 | 0.37  |
| Neighborhood 6             | -          | -      | 1    | -     |
| Neighborhood 7             | -          | 1      | 1    | -     |
| Piney Mtn Places 29        | 0.23       | 0.17   | 0.18 | 0.58  |
| Village of Rivanna         | -          | 1      | 1    | -     |
| Rural Area 1               | 0.17       | 0.07   | 0.12 | 0.36  |
| Rural Area 2               | -          | 1      | 1    | -     |
| Rural Area 3               | -          | -      | -    | -     |
| Rural Area 4               | -          | -      | -    | -     |
| Town of Scottsville        | -          | -      | -    | -     |

# **Multi-Family**

|                            | Elementary | Middle | High | Total |
|----------------------------|------------|--------|------|-------|
| Crozet                     | 0.02       | 0.01   | 0.01 | 0.05  |
| Hollymead - Places 29      | 0.19       | 0.04   | 0.06 | 0.29  |
| Neighborhood 1 - Places 29 | 0.13       | 0.04   | 0.05 | 0.23  |
| Neighborhood 2 - Places 29 | 0.26       | 0.08   | 0.13 | 0.47  |
| Neighborhood 3 - Pantops   | 0.05       | 0.02   | 0.02 | 0.09  |
| Neighborhood 4             | 0.05       | 0.01   | 0.03 | 0.09  |
| Neighborhood 5             | 0.04       | 0.01   | 0.03 | 0.08  |
| Neighborhood 6             | 0.13       | 0.03   | 0.07 | 0.23  |
| Neighborhood 7             | 0.06       | 0.01   | 0.03 | 0.10  |
| Piney Mtn Places 29        | -          | -      | -    | -     |
| Village of Rivanna         | -          | -      |      | 1     |
| Rural Area 1               | 0.43       | 0.08   | 0.15 | 0.65  |
| Rural Area 2               | -          | 0.50   | 0.50 | 1.00  |
| Rural Area 3               | 0.05       | -      | -    | 0.05  |
| Rural Area 4               | 0.12       | -      | -    | 0.12  |
| Town of Scottsville        | 0.20       | 0.40   | -    | 0.60  |

#### **Mobile Homes**

|                            | Elementary | Middle | High | Total |
|----------------------------|------------|--------|------|-------|
| Crozet                     | -          | 1      | -    | -     |
| Hollymead - Places 29      | 0.14       | 0.04   | 0.06 | 0.24  |
| Neighborhood 1 - Places 29 | 0.31       | 0.17   | 0.17 | 0.65  |
| Neighborhood 2 - Places 29 | -          | -      | -    | -     |
| Neighborhood 3 - Pantops   | -          | -      | -    | -     |
| Neighborhood 4             | -          | -      | -    | -     |
| Neighborhood 5             | 0.42       | 0.14   | 0.17 | 0.73  |
| Neighborhood 6             | -          | -      | -    | -     |
| Neighborhood 7             | -          | -      | -    | -     |
| Piney Mtn Places 29        | -          | -      | -    | -     |
| Village of Rivanna         | -          | -      | -    | -     |
| Rural Area 1               | -          | -      | -    | -     |
| Rural Area 2               | -          | -      | -    | -     |
| Rural Area 3               | -          | -      | -    | -     |
| Rural Area 4               | 0.55       | -      | -    | 0.85  |
| Town of Scottsville        | -          | -      | -    | -     |

Source: Albemarle County Real Estate Records. The total can be greater than the sum of school levels because the student generation rates were not calculated for geographies and school levels with less than 10 counts in a category.